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291 as frequently as the others. In the two bands which favor the
[554] high moccasin, the possession of a pair of this type is a point of
prestige: "The moccasin is worn high when you are able to have
[184] this kind. All people of influence had them this way." The seam
line at the foot, especially on "dress" moccasins, is often painted
[386] red, the upturned portion of the toe may be variously painted,
too, and sometimes the folded portion of the upper or the entire
moccasin is colored with yellow ocher.

[411] When the man is out hunting, raiding, or fighting, he wears a
belt of buckskin or rawhide to which a knife sheath is attached,
but in times of peace he seldom takes the trouble to don this
when he is around camp.

302 After the spring ceremony the hair is allowed to grow. "We
all wear long hair. A person doesn't dare cut his hair off with a
[777] knife. He has to take good care of his hair. To cut it brings bad
[765] luck. The only time you do that is when a member of your family has died." A man leaves his hair unbraided. He pushes it to the sides, out of his eyes and over his shoulders, and it is held in place by a band which crosses his forehead.

[824] Yucca root, pounded, is used for shampooing the hair. "After
[237] washing the hair, they use fat on it to make it stick together. Also marrow from the shinbone of a deer is used for this purpose."

The faces of the men are smooth; all facial hair is plucked with the fingernails as soon as it is noticed, because "the Chiricahua
[777] don't like whiskers." There are exceptions, of course. "There is
[787] one man who has let his beard grow for good luck. He told me that when he was young he had a dream that he would have good luck if he let his beard grow. He is over sixty years old now and still has a moustache."

302 At times of dance and celebration a mixture of grease and red
535 ocher is rubbed on the cheeks, and there are other face paints. "Paint is used for decoration when there is any gathering or dance. It can be put on at any time. Sometimes a person puts
[824] circles on each cheek; sometimes some other markings. A few put a streak of sticky mescal juice on each side of the face."

000 In addition to decorative face-painting, there is a great deal of

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addition to decorative face-painting, there is a great deal of painting for ritual reasons. The coloring of the patient's face by the shaman (often with sacred substances such as pollen, specular iron ore, or white clay) is one of the important elements of the ceremonial pattern. Thus the child becomes used to seeing individuals whose faces are marked with lines of white clay or whose cheeks are decorated with symbols of the sun, moon, stars, or various constellations.

The men tattoo themselves but limit the area to the inner part of the arms "because there is more flesh there and it is more tender." The colors used are red and blue-black. The red is obtained from red ocher or the juice of ripe prickly pears; the black, from charcoal. The material is laid on the skin, moistened, and punched in with a cactus thorn. Typical designs are stars, constellations, and zigzag lines symbolizing lightning. Sometimes these relate to the shamanistic rites of the individual. For instance, one man who claims power from lightning has tattooed markings representative of his tutelary. But most tattooing is merely decorative. In time the designs lose their sharpness and after many years can scarcely be distinguished.

The men have earrings, necklaces, bracelets, bandoleers, and pendants. Turquoise and white shell beads are worn. "The 'ancient people' [prehistoric Pueblo inhabitants] gave us the turquoise. These people were careless with the stones, and the Chiricahua pick them up." Beads are also made from the segments of a long root (*Hilaria cenchroides?*) and from the seeds of the mountain laurel. Many of these ornaments are primarily of religious and protective value.

Abalone shell, too, is used in ritual contexts and is frequently worn. "People cut out a piece, drill a hole through it, and wear it. Often they are directed to do this by a shaman after he has cured them. The shaman himself might give the abalone to the patient. A piece of it is often fastened right to the hair."

A sachet of mint may be worn, particularly by young men who wish to make themselves attractive to the girls.

The woman wears a two-piece dress of buckskin—an upper garment and a medium-length skirt. High-topped moccasins

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at the top with yucca-leaf strands. Over them a thatching of bundles of big bluestem grass or bear grass is tied, shingle style, with yucca strings. A smoke hole opens above a central fireplace. A hide, suspended at the entrance, is fixed on a cross-beam so that it may be swung forward or backward. The doorway may face in any direction. For waterproofing, pieces of hide are thrown over the outer thatching, and in rainy weather, if a fire is not needed, even the smoke hole is covered. In warm, dry weather much of the outer roofing is stripped off. It takes approximately three days to erect a sturdy dwelling of this type. These houses are "warm and comfortable, even though there is a big snow."

The interior is lined with brush and grass beds over which robes are spread. Household equipment is utilitarian and minimal. Basketry receptacles include coiled shallow trays, large twined burden baskets for gathering wild foods, and pitch-covered woven water containers. There may be a few clay pots, unpainted and only occasionally incised. There are gourd cups and hide, gourd, and wooden dishes. Surplus food and clothing are stored in undecorated, envelope-like hide receptacles (parfleches). Ready for use are a metate and a cigar-shaped mano (as often as not of ancient Pueblo manufacture), stone and bone pounders, an awl, rawhide or horsetail hair ropes and tumplines, a fire drill, and combs made of dried and folded grass or mescal leaf.

In or around the camp are objects connected with horsemanship—saddles, bridles, bits, quirts, and saddlebags. Conspicuous, too, are weapons of war and chase—the bow and arrows, quiver, bow cover, shield, wrist guard, spear, sling, flint knives, and clubs.

Ceremonial objects—the pottery drum, a deer- or elk-hoof rattle, buckskin bags of pollen and other sacred substances, and the particular paraphernalia attached to the rites of the individuals of the household—are present but are less likely to be displayed.

The dwelling may contain a musical instrument or two not

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CHILDHOOD

There are practical jokers, even among the children, who throw clinging or mildly irritating grasses (*Nama hispida* is one) at someone or hide them in his bed.

The children of an encampment organize expeditions to search for certain delicacies which are not plentiful or valuable enough to figure in adult food economy. Ground cherries, the red fruits of the nipple cacti, and willow buds are gathered, and cottonwood buds are chewed like gum. The search for honey provides another diversion:

> When I was a boy, so long ago I can hardly remember it now, there was a certain bee we used to get. When it collected honey the children caught it, split it open, and sucked out the sweet stuff from the body. They didn't eat the whole thing. Only children did this. I never saw grown-ups do it.

When hives are found in the trees, a smudge fire is started under the tree and the bees are smoked out. A cliff hive is dislodged by well-directed shots from slings. For a ground hive another method is employed: "When the hive is in the ground a boy stands over the small hole and lets the bees out one at a time. Others kill each bee as it comes out. When all the bees are killed, they dig out the hole and eat the honey."

To the stock of playthings which the child makes for himself are added toys given him by his parents or other relatives. Little girls are presented with buckskin dolls filled with grass,[9] toy cradles, water jars, and burden baskets. For the boy the obvious plaything is a small bow and some arrows made of ocean spray, mock orange, snowberry, willow, service berry, or *Edwinia americana*. As a blanket for her doll cradle the girl uses a cottontail rabbit skin. A rabbit-skin cap, with the ears left on, is made for the little boy.

The older boys and girls enjoy swimming, a sport which a child begins to master at about the age of eight. A practical purpose is credited to another activity:

[9] These dolls are not supposed to approximate the human form too closely, for anything that has great likeness to a human being but is not animate is suggestive of a corpse. The mothers would not, at first, allow their children to have dolls of European type, claiming that they were "too natural."

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The singer will need eagle feathers, a deer- or elk-hoof rattle, and a supply of pollen, white clay, red ocher, and specular iron ore. Required for the ceremony also are a basket tray, usually made from the black outer covering of the unicorn plant; skins on which the girl will kneel or lie during certain parts of the ceremony; and other ritual objects. If the singer or attendant does not have these at hand, the girl's parents must make or procure them.

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The origin of the rite.—White Painted Woman is usually credited with the establishment of the puberty rite. Often associated with her in this undertaking is her son.

It was not until Child of the Water was rid of all the monsters and evil things, until there were many people and the different tribes began to be seen, that the big tepee [girl's puberty rite] was known.

There was a woman who had a daughter who was almost grown. It was time for her to have her first flow. Then Child of the Water and White Painted Woman showed them what to do; this good time was given to the people.

They gave a little feast this first day when she menstruated. Then, after this first day, the relatives of this girl went out and hunted and got everything together so that they could give a big feast. They did this in the fall when there was plenty of fruit and many good things of all kinds. They got a man to sing for her in the tepee. The best masked dancers were got ready. They made them, not in camp, but way off in the mountains and led them in. The spruce trees were cut down for the tepee.

Then, when all was ready, they let many know, and they came from far places. All were invited. The celebration was held for four days. The people had a good time at the dancing. First came the masked dancers. Child of the Water and White Painted Woman gave the people the round dance to enjoy, but this was not to begin until after the performance of the masked dancers was over. After that came the partner dances.

The last two nights the masked dancers remained on the grounds until all the dancing was over. Even the masked dancers took part in the social dancing with their masks pulled to the top of their heads. And the clown was there. The clown, too, danced with women who wished to dance with him. He carried his headdress.

Important incidents of the rite and their respective order are foreshadowed in this narrative. In another account major honors for the establishment of this ritual practice go to White Painted Woman:

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825 753 [761] Later the stricken man died, and another informant observed:

If the vinegarroon gets in your clothes or urinates on you, red marks come out on your body, and if they go around and meet, it kills you. K. was affected by it. He claimed it got in his clothes. It usually breaks out on your shoulder.

A small black water beetle is held accountable for a well-nigh fatal sickness which results when it is swallowed accidentally. Great care is taken, therefore, to see that the drinking water contains none of these insects. Even horses are not exempt from this illness: "If you swallow one, it will kill you. I have seen [755] horses swallow it and die. I don't know any cure for it except to ask some shaman to sing for you."

To be bitten by a centipede causes alarm, for "after it stings you, you'll live one day for each leg it has. I've never heard of a cure for this."

Crow, eagle, buzzard, parrot.—A number of birds besides the owl are considered possible sources of peril, and prominent among these is the crow. One man warned against carrying crow feathers and added, "They say it makes you sick to touch its droppings or anything from it." The opinion is supported by other testimony:

[411] [237] The Chiricahua doesn't use crow feathers for arrows. Crow is one of the worst of all. The sickness you get from Crow is worse than sickness from any other bird its size. In the old days the Chiricahua wouldn't kill a crow. They didn't like the crow to fly around. They were afraid to imitate it just as they were afraid to imitate the call of the owl. The crow is not connected with dead people like the owl, but when the crow comes around they say it means that someone is going to die; they think it is a bad sign.

A certain ambivalence in attitude toward the eagle exists. [237] [262] Eagle feathers are prized for use in ceremonial contexts. But, because eagles "catch lizards and snakes," the people "can't eat the kill of the eagle" (this taboo extends to the kill of hawks as well) and "are afraid of them, wouldn't touch them." It is primarily contact with the talons or bill of the eagle that is feared.

The negative reaction has left its impress on a story of a boy who climbs a cliff, finds an eagle's nest, and brings down an eaglet. He rears the bird and teaches it to hunt for him; but when he first reaches home with it, the people say to him,

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"Throw it away! It will make you sick!" A similar attitude is reflected in this statement:

When you are sick the shaman may tell you that you have slept on an eagle feather or something like that which has made you ill. You could get sick from the eagle. And there were people [shamans] who knew about that.

Lots of people even felt that it was a bad sign to have an eagle fly around the camps in the old days. When birds are supposed to be wild and to live out in the mountains, they shouldn't come around where people live. It looked to the Chiricahua as if they were being sent when they did come, as if they were a bad sign.

But there are also those who express no fear of the eagle. "Eagle feathers are thought to give a person strength. The eagle is not regarded like a coyote [i.e., inherently evil]." Moreover, eagles are trapped and killed for their feathers, and eaglets are occasionally reared in cages until they can be plucked.

In general an unfavorable overtone and some fear mark comments about the buzzard:

Some are afraid of the buzzard. I remember that, when I'd go to pick up a buzzard feather, my father would call out, "Drop that feather!" Most Chiricahua do not think much about buzzards until they have a ceremony performed over them and a shaman gives them some directions about it, such as not to let the shadow of a buzzard fall upon them, or something like that. But these restrictions are not true for every Chiricahua; they are not general.

Another bird that is viewed with circumspection is the parrot:

The Chiricahua were not very familiar with parrots. Once in a while they saw them in Mexico. Only a few people have seen the parrot. They know it mocks you, and they don't like to be around it. They are afraid of it. They say, "Why is it that a bird imitates people? There must be something to it." I have heard people say, "If a bird talks, there must be a witch in him."

Horse, mule, spider, Thunder People, Mountain People.—There are a few creatures and supernaturals which are to be feared only if they are somehow offended. The horse and the mule, the spider, the Thunder People, and the Mountain People comprise this list. Of the first two, it is said:

If you mistreat a horse, if you hit it on the head repeatedly, it may take revenge on you. It will cause you to get sick. Then you must go to a shaman who specializes in the ceremony of the horse. The mule is bad if you mistreat it; it will cause you to be sick too. The man who knows the horse cures both kinds of sickness.

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825 [231] [232] If you have a good deer dog, burn deerskin and make him inhale it. Then he becomes a good hunter. I had a sick hunting dog. I tried everything. The dog was going down. I hated to lose him. So I got deerskin and rags and burned them together and made the dog inhale the smoke. He got well too. I tried it the last thing.

825 • 237 [198] [193] Buckskin, especially from deer which have been caught in head nooses or otherwise killed without damage to the hide, is in great demand for ceremonial gifts and for the making of amulets. "It is the holy hide, used for ceremonial purposes. It is supposed to come from a strangled deer, and the skin is supposed to be unblemished. Child of the Water used it so on earth; that is why."

825 224 When a hunter kills a deer, the carcass, the hide, and even the offal are treated according to prescribed rule, but, since all hunters observe these usages, a description of them is deferred until hunting methods are treated.

756 825 787 539 *Bear.*—A vision journey which resulted in the acquisition of a bear ceremony is described by the son of the man who became a bear shaman:

My father went across the plains twice, and the second time he slept at a place just beyond the White Sands. He usually found his tribe in the foothills at Hot Springs.

The second time, when he was sleeping at the place, something came to him. It was close to the springs. He was a little up the hills on a rock. He built a fire and went to sleep. He made a mattress of grass.

Close to morning he was sleeping there. He was sound asleep. It touched him and told him to awake. It had something to tell him. He pushed the cover off his head, and there sat a silver-tip bear. It spoke in a human way to him and told him it was time for him to get up and that he was about to get something to know and to travel by.

He got up. He knew that a door was open to him. He just walked right in, into the rocks. He was led into a room, and the bear changed itself into the form of a human and told him to follow wherever he went.

And so he showed him through the gate where the striking rocks were working, hitting against each other all the time. But they went through. Then they came to a place where four points of rock went back and forth. They also walked through that. They came to another rock that was rolling and was in the form of a round ball, just like a hill. It hit the bank on the other side all the time. But they walked over it and didn't even notice it strike the bank. Then they came to the swinging rock door, and it worked as in many other places.

Then they came to two big bears, black and white, at a gate. My father's

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hands, so that their horses will be strong and carry them through, and so that all in the party will have good luck.

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Gambling is a serious enterprise, and horse-racing is one of its important forms:

A horse shaman performs a ceremony over race horses used for gambling. I have seen horses worked over like this. Horses which have been taken care of by a horse shaman in this way always have an eagle feather tied just where the tail bone leaves off. The owner of the horse usually gives the horse shaman something that has to do with a horse for his pay—a saddle, a blanket, a bridle, or something like that.

Anything fast, like the coyote, the fox, the wind, or clouds, should be used in songs to make a horse run fast.[33]

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When a valuable horse is to be gelded or is injured or sick (though "if a horse has been witched, you can't cure it"), the owner is likely to consult a horse shaman.

T. . . . . knew the ceremony of the horse. He knew a lot about the sickness of this animal. I saw him castrate them. People brought the horses to him to castrate. He treated horses that couldn't pass water and some that were going blind too.

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But often the owner, though he is not a horse shaman, injects some ceremonialism into his care of his horse:

If a horse can't pass water, we have a little ceremony for it. Take a rope, hit the horse on the back with it, and tie a knot in the rope. Do this four times. Say prayers meanwhile. Don't hit the horse hard enough to hurt it. Then trot the horse a few hundred yards and bring it back to the same position.

When a horse gets blind, they cut the vein leading down from the eye that's getting bad. The horse gets well then. This is done to sheep now too. I have done it to both. If a horse is sluggish, it is given a root called "black medicine" which is put in oats or mescal or something the horse likes.

We practice bloodletting on a horse which is lazy. Then we put turquoise on the cut.

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Horses that are scary and jump sideways are fixed with eagle feathers. These are tied on the mane or to the bridle. Then the horse doesn't get scared. I did it like that at Whitetail myself.

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[33] The hummingbird is used as an aid in racing too: "Its feathers help in making a man or a horse speedy."

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755 At the conclusion of most snake ceremonies, as in the case of 262 other rites, food and behavior restrictions are imposed:

784 You must not stir boiling meat with a knife or use the knife as a spoon. If you should lie down flat on your back with your legs crossed, no one should step over your legs. A rope must not be used on a person who has been bitten. In using a rope you must not string it out toward your camp or house. You must always go out the door of the home or tent, not out of the sides. In quarreling you must use no words that have anything to do with the snake. You must not eat the marrow of leg bones. You must not eat meat from the breast of an animal.

751 Often the patient, after an attack of snake sickness, is given a protective amulet:

After you go through a snake ceremony, the shaman may make a bandoleer for you to wear, or give you a stone to wear, or make you an arm band, if you are a man. For a woman he may have a beaded strip which she should wear in her hair. These will make the patients immune so that the snake cannot harm them again.

825 Fewer data exist concerning the place of other reptiles in the ceremonialism. Of the gila monster it was remarked, "I hear it [533] mentioned in the ceremonial songs of old Chiricahua, but that's the only way it's used now that I know of," and of the turtle: [237] "Some shamans use the shell for the giving of medicine. B. gave [788] me some in one. He marked the shell with pollen and gave it to me four times. They say that the turtle shell cannot be hit by [773] lightning." The lizard appears in the myths as a helper of Child of the Water and the small animals in their triumphs over the monsters, and it is considered a potential source of supernatural power.

411 *Weapons.*—The ordinary protection afforded by weapons is 789 enlarged, in certain cases, to include supernatural help as well, [533] and a set of songs and prayers known as "ceremony from the gun" (the same word means gun or bow) has arisen. Sometimes [782] this ceremony is called "ceremony against the enemy."

Old Man S. was with Geronimo's bunch all through the war. . . . . He has power from the gun, they say. They say he used to get out on the bank; all the soldiers shot at him and couldn't hit him. One who went to shoot him might fall down or drop his gun; then S. would kill him instead. Another man told me he knows a gun ceremony. He, too, went through all the wars safely. Geronimo is said to have known this ceremony. He never got hurt either. Something always

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224 The proper care of the meat and the skeletal parts of the deer
264 must be kept in mind until the animal is entirely consumed. It
784 is forbidden to "take the meat when it is hot and blow upon it," for such action is likely "to blow the deer away." "We don't just throw the bones away. We are careful. We put them in a nice pile. They say if you throw the bones, it throws the deer away. You won't see any more deer when you are out hunting."
224 Other safeguards are employed for individual ends:

> Other things, like handling the meat a certain way, or not giving away certain parts, are done mostly at the direction of ceremonial men. If your luck has been
[789] bad and you've hunted all week without killing a thing, you might go to some
[784] man who has songs for this and ask him to help you. He will give you some restriction or rule on your hunting. That's how these things start.

The game animal next in importance to the deer is the pronghorn or antelope. Separate hunts to obtain antelopes are less frequent, however; often such hunts wait upon a chance encounter which reveals the presence of the antelopes. In general, the same usages, ceremonial and practical, which mark the deer hunt are true for the antelope hunt. The solitary hunter makes considerable use of the antelope-head mask. "They fix the antelope
[237] head for hunting. They take all the bone out, leaving only horns and ears. Only a man with ceremonial knowledge will do it, they say. They call hunting with a mask of this kind 'he slips up to it.' "

Stalking antelopes is even more time-consuming and difficult than approaching deer:

> The antelopes live on the flats. They are harder to get near than deer. They are hunted like deer, with a mask. The hunter wears a jacket painted like an antelope skin. He has a stick in one hand. He imitates the walk of the antelope. If a herd of antelopes is seen in the distance, the hunter works up to them. It takes two or three hours sometimes, for it is necessary to advance slowly, acting just like the animals. The grass is tall, and the hunter keeps his head just above the grass.

The relay chase is used to secure pronghorns, too:

> A group of about ten men sometimes goes off on horseback to hunt antelopes. When the antelopes are sighted, one bunch scatters the antelopes toward the other men who are strung along on horseback. When one horse gets tired, an-

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"The unborn of the peccary is eaten also. One pig has lots of them."

That the wildcat was formerly eaten is both affirmed and denied. One informant classed it with wolf and fox and said, "We don't like the meat; also it is forbidden and might kill us." It is possible that some individuals used it for food. Everyone wants the skin, and so the animal is killed whenever opportunity offers.

A number of informants have agreed that mountain-lion meat is edible. In addition, the hide is the favorite material for the quiver. Consequently, no opportunity to shoot a cougar is overlooked by the hunters.

Infrequently the chance was afforded to hunt bison. One account tells of a long trip to a point north and east of the present site of Albuquerque and of success in hunting bison there. Occasionally one was found in the vicinity of Hot Springs and was secured by the people of that region. But bison were entirely absent from the greater part of the territory.

In the historic period wild cattle became abundant and were supplemented by domestic stock obtained on raids to the south. The stock introduced by the Europeans became important very early:

> Long ago there were cattle which we hunted and used. The old people say that there were some wild cattle and wild horses, wilder than deer. I don't know where they came from. Many ate burros and mules in those days; many ate horses.
>
> Before the Americans came, a few Chiricahua had cattle, and, of course, there were some with many horses. In wars with the Mexicans they would sometimes steal cattle, and that accounts for the presence of cattle among the Chiricahua. They'd herd the cattle to a river and let them stay around there and increase. Five or six or a dozen men who made the raid would divide the cattle among them, and then the cattle belonged to them personally. Then these men might have enough meat so they wouldn't have to hunt any more for a while.

Many animals are hunted only for their fur. Among these are the badger (from which a skin bag for holding piñon seeds and acorns is made), the beaver, and the otter.

Birds are much more significant as a source of feathers than as food:

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the same division of opinion concerning their suitability exists as in the case of the turkey. One person, for instance, insisted, "The Chiricahua never eat duck. They just don't like it. I never hear them say why." Yet another man just as positively stated, "The Chiricahua eat ducks, quails, geese, doves, turkeys, and prairie chickens."

Birds are desired for their feathers, and oval or peaked blinds are constructed to catch them: "The bird blind is shaped something like a tepee—the poles slant up together. You put sticks on the top of it so the birds come and sit on it. You can shoot them easily this way."

Eagle feathers are in great demand, and the hunter is always on the lookout for an eagle which has so gorged itself that it is almost helpless: "Sometimes a man is lucky and comes upon an eagle when it has eaten so much that it can't get off the ground quickly. Then the man runs at it and hits it with a club. The eagle is that way—it will eat so much that it can't fly."

Eagles are also deliberately trapped:

> Anyone can kill an eagle and use the feathers for arrows. When they find a dead animal, they put snares around the carcass to capture the eagle. They make an Indian trap. They use sinew, making loops with it which draw up tightly [slipknots] when the eagle steps in one and moves. The carcass or the meat that is used is tied down to a big rock so that the eagle cannot get it easily but must walk about a lot. These knots are all around, covered with grass. They are attached to sticks or brush. When the eagle is caught it is killed with a club, hit on the head. The eagle is not left alive intentionally, but if you hit it and think it is dead and then after it is plucked it gets up again, you leave it alone. Anyone may put out one of these traps.

One informant, a member of the Southern Chiricahua band, claims that eaglets are sometimes taken from a nest in the absence of the parent-birds, and he describes a cage in which they are reared until the feathers are ready for plucking: "They were caught on a mountain slope close to the present Arizona line. They were caught when they were small and were raised. We never caught grown-up ones. People climbed trees to get them."

The eaglets, according to this testimony, are kept in a large cage, approximately ten feet high and thirty inches wide, made of branches tied together with rawhide strips. This cage is secured

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222 252 262 [251] to meat dishes to form a gravy, or they are made into flour for bread baked in hot ashes. Sunflower seeds and other seeds are often placed with hot coals in a tray basket and "worked around" until they are parched.

824 [221] In the fall when the tule is yellow with pollen, the tops of the plants are cut off, brought to camp, and dried. Then the dry tops are shaken or struck over an outspread buckskin. Pollen is gathered, without special ceremony, from other plants and from trees by shaking them after placing a piece of well-tanned, uncolored buckskin to catch it. [237] Buckskin is always the proper receptacle. It is said that "pollen would go through cloth," but more important is the feeling that "it would be wrong" to use anything but buckskin for pollen bags and containers.

222 462 [221] From early spring to the onset of winter, the woman gathers fruits and vegetables which grow at different elevations and in different areas. She does not keep at this task steadily, for she has many other duties. But she must be ready at the report of a good natural harvest to leave at once for the region where it is. 222 484 592 621 Often it is near by; but many times the site is so far distant, and the work ahead so time-consuming, that the entire household goes with her and sets up a temporary camp. Using this as a base, the husband hunts while his wife gathers the wild crop that has drawn them there. [596] Not infrequently more than one household or an extended family consisting of a number of households temporarily leaves the larger encampment or local group on such an errand. Thus, in order that the woman may obtain the various foods in the order in which they mature, the household remains a mobile unit, ready to detach itself from the local group at short notice and to rejoin this group or another just as easily.

222 While the women are foraging, they are on the lookout for beehives:

[824] Honey is found in the stalks of mescal, sotol, and the narrow-leafed yucca. The bee deposits the honey in the stalk. The bee which does this is a big yellow one. The women search for honey in these stalks. They gather it in the fall. They split the stalk to find it. It's like candy. I used to be great for honey!

Honey is also obtained from a large yellow bee that nests in the ground. To secure this store, the device of allowing the bees to

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281 462 skin, the man cuts out the pieces to be used, and the woman sews them together.

281 386 The women color buckskin with a number of dyes of their own making. Dark brown is obtained from the juice of fresh walnut hulls, crushed and pressed. The buckskin is soaked in a mixture of the walnut-hull juice and water and is then re-worked to softness. Red is secured from the boiled root and bark of mountain mahogany. When this dye is lukewarm or cool, the buckskin is put in it and is left overnight or for a day; later it must be reworked with a stone until it is pliable. A yellow decoction is made by soaking algerita roots. The buckskin is left in the dye until it is yellow and is afterward pounded and softened. Yellow ocher is sometimes applied to the entire surface of a buckskin; as the color wears away, more ocher must be rubbed on.

294 237 283 Sewing is essentially the concern of the women, though men on the raid will do repair work. For thread, the woman needs sinew. Therefore the hunter, when he butchers an animal, always removes the sinew from the loin very carefully and presents it to his wife. Sinew from any large game animal is acceptable, though that from the deer is considered best. In recent times [178] sinew from the horse and the steer have come to be widely used. [412] With an awl made from the sharpened leg bone of the deer, the woman punches a hole in the skin she is sewing, moistens the end of the sinew, and runs it through the hole.

285 [462] *Basketry.*—Basket-making is one of the many tasks for which the woman supplies both the materials and the labor, and she possesses a large fund of knowledge concerning substances and [824] techniques. She rarely uses cottonwood, since it breaks too easily. She does not use willow unless no other materials are available. She knows that, if she gathers stems in the spring, she will have to let them dry for some days but that, if she takes them in the winter, they are dry enough to use almost at once.

285 824 The woman makes a coiled tray basket with sumac stems for the foundation and yucca leaves for the sewing material and designs it with yucca of various colors:

To turn the yucca yellow, put dry grass among the leaves in the yucca plant while it is standing in the ground; then set fire to the grass. The fire and smoke

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are too heavy to carry along. But we take the mano which is ready made and carry it along often. Then the woman uses it on a flat rock or one with a shallow depression.

Some metates are fashioned by the women for themselves, however:

[324]

These metates are about two feet long and one foot wide. They have a little depression which the woman makes by pecking it out with another stone and then rubbing it smooth. A woman has just one grinder on which she grinds the same food several times if she wants to make it finer.

Some women carry these all the time. It all depends on how often we move and how far we are going. The mano used with this grindstone is about six or eight inches long, just long enough so that a woman can work with two hands. Chiricahua women kneel when grinding. We have no grinding songs.

[516] [252] [533]

A pounder of animal bone, or one of a stone selected because its shape conveniently fits the hand, is another utensil with which the woman equips herself.

[237]

462 356

Housebuilding.—The woman not only makes the furnishings of the home but is responsible for the construction, maintenance, and repair of the dwelling itself and for the arrangement of everything in it. She provides the grass and brush beds and replaces them when they become too old and dry. With a stiff grass broom or with a leafy branch, she sweeps out the interior if that is necessary. However, formerly "they had no permanent homes, so they didn't bother with cleaning."

342 [184]

The dome-shaped dwelling or wickiup, the usual house type for all the Chiricahua bands, has already been described.[11] But a "peaked" home of brush, roughly resembling a conical Plains tepee in shape is also made. Said a Central Chiricahua informant:

Both the tepee and the oval-shaped house were used when I was a boy. The oval hut was covered with hide and was the best house. The more well-to-do had this kind. The tepee type was just made of brush. It had a place for a fire in the center. It was just thrown together.

[881] [346] [462]

Both types were common even before my time. For the girl's puberty rite the tepee type was used. Ten or more poles are used in the tepee. The number depends on the person who makes it. It is woman's work to do it, though sometimes the men would help a little.

[11] See pp. 22–23.

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After the craftsman has cut a branch, split it, and shaped and smoothed the wood, he lets it season. When it is dried to his liking, he "greases the wood and pulls it in every way until it is slick and shiny." The wood is bent over the knee or over a tree and tied. Then it is put in hot ashes and watched so that it will not burn. After it cools it keeps its shape. The bow wood is kept tied and allowed to dry for over ten days after this treatment with heat. When the double-curved bow is made, the heated bow wood is bent between two young trees growing close together.

The outer surface is usually painted a solid color; on the inner surface the maker puts a design by which his handiwork is known—a star, a cross, serrated lines, parallel lines, or a naturalistic figure. This may refer to his supernatural power or may be simply a decoration or an identification mark. The dyes used are vegetable or mineral substances made permanent by mixture with juice squeezed from heated yucca leaves. Though the bow is never backed longitudinally with lengths of sinew, it is often wrapped with sinew. Usually, however, this is not applied until the bow has been weakened by use. Horse hair is used, but less frequently, as the reinforcing agent.

When the bow is to be sinew wrapped, animal hooves and horns are boiled for two days, and the glue thus obtained is rubbed on the wood at the places where the sinew will cover it. Then the moistened sinew is wound around the bow, usually at the middle and at places on each side equidistant from the center. Glue is rubbed on the outer surface of the wrapping too, and the bow is left to dry. Occasionally, piñon pitch is substituted for glue. "The pitch is put on the sinew warm, and the bow is worked and bent back and forth to spread the pitch and work it in."

Sinew from the loin or the leg of the deer is saved for the bow string. The man soaks the sinew in water, separates it into strands, and rolls three of them together on his leg to form a string. The warrior or raider will have an extra string with him in case the one on his bow should snap. One informant claimed that the tough fiber from the mescal leaf, rolled on the thigh and

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carefully tied, makes a bow string that serves well in emergencies and is even regularly used by some.

To release the arrow, the archer holds the string between his thumb and first finger and assists with his second finger. When the bow is not in use, it is left unstrung. In the hands of a strong man this weapon is quite effective.

[My uncle] made powerful bows. At one hundred yards he could kill a deer instantly. At fifteen yards he could send an arrow through a deer.

A good shot would be one that would send the arrow about a hundred yards with accuracy. The bow worked as fast as the gun in the old days. Formerly, before someone could load the magazine of a gun, you could shoot three arrows from the bow.

For hunting birds and killing pack rats, men fashion smaller bows of the same general construction. Boys who are learning how to use weapons are given these smaller bows.

In any important undertaking a man carries from thirty to forty arrows, and he likes to keep a reserve supply at home. Much time and care, therefore, go into their making and repair. An entire month may be spent on a full set of arrows. The arrows are of two kinds: those of carrizo or reed into which a hardwood foreshaft is fitted and those with the entire shaft of hardwood. For the latter, Apache plume, mulberry, mountain mahogany, or *Fendlera rupicola* is chosen.

When the man gathers arrow wood, he cuts it into appropriate lengths, peels off the bark, scrapes it, and allows it to dry from three to five days. The shaft is straightened between the teeth or is pressed against a heated rock and then is decorated with bands or stripes of black, blue, or red paint. On the upper portion of the shaft, at about the middle of the area which will be covered by the feathers, a narrow band of green or red is often traced.

Tail or wing feathers of the red-tailed hawk, the eagle, the buzzard, or the turkey are next affixed to the butt of the shaft. Turkey feathers, however, "can't stand rough treatment and are used mostly for the arrows used in practice or for boys' arrows." Each feather is split in half and trimmed, and the white substance is scraped from the quill. Three feathers are used, five- or six-inch lengths being arranged equidistant from each other and

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With a sharp stone, the arrow-maker scratches
41 three channels along the shaft in line with the feathers or makes a
[531] spiral groove upon it. Zigzag incisings, one on either side of the arrow, occasionally are etched instead "because the arrows of Child of the Water, when he fought the giant, were like that."

The respective merits of the two basic arrow types were discussed as follows:

Some arrows are made short, some are made a little heavy, and some are made light. My father says that in order to shoot a long way you should take a short arrow. For short distances he uses the long arrow with a shaft of carrizo. I think an arrow made with a wood shaft is better than a reed [carrizo] arrow. Of course, those reed arrows are good for shooting birds and for other light shooting.

If the shaft is of reed, the arrow has a hard wood point. In the old days they were tipped with any wood hard enough to go into the animal, but I never knew men to put on a stone arrowpoint. Instead they seasoned their arrows until they were very hard. Many times I have seen my father sitting over a charcoal fire heating the end of an arrow until it was just as hard as steel. He'd look at it and sharpen it. I have never seen them chip stones for arrows.

When the shaft is to be of reed:

The man goes to the streams and gets some reeds before they grow too tall. He cuts them green and fresh. They become hard as they dry. He straightens
[314] them between his teeth and lets them dry for about two weeks. Then he puts the
[239] hard foreshaft in, fastening it with piñon pitch and binding it with wet sinew. It gets tight when dry. About two inches or a little more of the foreshaft goes into the reed, and about the same amount is left sticking out.

The carrizo arrow is usually about thirty inches long; the type with the shaft entirely of hard wood is a few inches shorter. The length and stoutness of the bow are adapted to the size and strength of the man, and the arrow must be of the proper size so that "it is not too short when the string is pulled back."

In addition to the methods of straightening arrows which have been mentioned, the use of discarded potsherds for the purpose has been described: "Take a reed arrow and get it hot. Put grease on and rub it with a piece of discarded pottery which has been heated too. This straightens it. I used to do it in Arizona."

On the child's arrow or on the arrow used for hunting birds and small game, one long feather may be wound spirally around the shaft for a distance of approximately eight inches. Often such arrows are left without any feathers at all.

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A man must not only be able to make arrows but to use them effectively. In times of peace he keeps in practice by frequent competitions with his fellows. "If a man is expert, he can shoot one arrow, then shoot two more into the air before the first one comes down." Significant personal differences are found in the ability to make and handle bows and arrows. Some men are acclaimed as experts; others are credited with fair performance; while still others are rated decidedly below average.

The quiver and the bow cover are usually made at the same time and of the same material; they are always attached and are both called by the same term, literally "arrow container." Mountain lion skin is the favorite material for the quiver because it is thought that "it makes a man lucky." The fur and the tail are left on, and the finished product is called "quiver with tail." Deer, antelope, otter, and wildcat pelts, with the fur either scraped off or left on, are also used for quivers. Recently hides of cattle and horses have been used, usually without the fur. One informant asserted that the skin of a fetal calf makes a good quiver.

The man cuts a wristguard out of rawhide for himself. This laces up the back of the left wrist and has a projecting piece which protects his hand against the impact of the bowstring.

For a spear a man selects a sotol stalk or a young spruce, scrapes and dries the wood, and sharpens and fire-hardens the tip. Such spears are about seven feet long. The shaft is usually painted in one or more colors, and two eagle feathers are attached near the point. After contact with Europeans, metal knives and bayonets were inserted to make a still more deadly weapon. In battle the spear is never hurled, and it is used by the warrior only when he is on foot.

The round hide shield is connected as much with ceremonialism as with actual defense. It, too, may be a recent acquisition:

> Just those with power have them. The man with power prepares these hides himself. He uses the hide from the shoulder region of the animal. He makes it just big enough to protect his chest and face.
>
> First he takes the hide off. Then he scrapes all the flesh from it. He does this with a knife, a steel knife. (They made this shield only from the time they had steel knives and not before.)

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steel knives and not before.) Then he rakes together sand and builds a fire on it. When the sand is thoroughly heated, he rakes the coals away and pegs the hide down over that place. Then he scrapes the fur from the outside and pegs it down again in another place that has been heated first. Now he takes it up and cuts the hide to the size he wants his shield to be. He makes two holes and ties on a handle big enough to grasp. Sometimes he has another handle so that his arm can be fitted in too. Some men design their shields with sun symbols or other things and paint them various colors.

Many shields are without buckskin covers and have the design painted on the rawhide. One of these which I collected is painted with yellow ocher and has a black morning-star design. More elaborate and Plains-like shields are not unknown, however.

Some shields are covered tightly with buckskin; the designs are painted on the buckskin. The buckskin is sewed onto the hide. Holes are driven through the hide for the purpose of fastening the cover on. There are tail and inner wing feathers of the eagle around the edge, and there are two more eagle feathers in the center. The eagle feathers mean that the maker has power. Just a few men had shields.

To give a shield marked convexity, a wet hide is pressed into a shallow hole in the ground and left to dry there. Buffalo hide is said to have been the material liked best in former times, but the supply obtainable must have been very small. Almost all the shields which informants had made or had seen made were of cowhide.

The warrior may prepare another weapon, the war club. A round stone, the size of a man's fist, is covered with rawhide and connected by a short length of flexible rawhide to a wooden handle. The handle is often covered with buckskin. A loop is provided at the end of the handle for the hand. A horse tail or, after the introduction of cattle, a cow's tail is often attached to the end of the handle too. Such clubs, or "stone carriers," are sometimes painted red or black, especially along the handle. While they vary in length, the average specimen seems to be approximately twenty inches long from stone to handle end.

Less frequently another type of war club, really a hand ax, is made. A grooved stone ax head (more often than not of ancient Pueblo manufacture) is inserted into a handle which has been split to receive it. Pitch has been applied to the inner surface of

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Pitch has been applied to the inner surface of the split, and the stone is held in place by sinew bindings on either side of it. Often an animal tail is attached to the end of the handle. An ax of this type, without the tail or any decoration, may serve around camp as a household tool.

The man makes for his own use a sling, a diamond-shaped piece of rawhide, pounded a little and thus softened, with four perforations through the median line of its width. A rawhide string is attached to each side, one with a loop at the end and the other without any. Because of the perforations, the sling can be folded over a stone about two and a half inches long and one inch thick. The loop is placed on the middle finger of the right hand, and the free string is held between the thumb and first finger. The sling is drawn back and whirled just once. As it comes forward the unlooped string is released, hurling the stone.

There are slings of two sizes that the Chiricahua carry. One is for things close by and is short. The other is a long one, for long-distance shooting. You can get to be very accurate with a sling. You never whirl the sling around a lot, as the stone might come out and hit someone. It just goes back once, and then you let it go. You can hurl a stone a hundred and fifty yards with it. It can be used for hunting birds or deer alike.

Finally, there is the stone knife, chipped with another stone. "They used to chip off the hardest rock they could get and use it for a knife." This knife may have a shoulder jutting from the handle end so that it can be tied to the belt or waist, or it may be carried in a rawhide sheath made by the woman.

A man makes a long rope from a piece of buckskin or rawhide by cutting it in a continuous clockwise circle from the outer rim to the center. To form an especially strong rope, he braids several strands of rawhide together. Such a cord or one braided from horse-tail hair makes a serviceable bridle. By shredding yucca leaves and braiding the tough strands, he makes a durable rope which also can be used for tying and hobbling horses or for a bit and bridle.

"Anyone could build a fire. Whoever woke up first did it. A woman can use the fire drill." Yet the fire drill is made by the man and is employed by him most frequently:

411 [314] [237] [412]
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They tell this story of a certain man. They say he was J.'s grandfather. He married and when he and his wife went to bed the first night, he just turned away from her. She didn't think much of it at first. Then he did the same thing the second night. Every night she thought he was coming to her, but he turned the other way instead. He did this for seventy-five nights, and then she left him.

BIRTH CONTROL, BARRENNESS, AND FERTILITY RITES

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[581]
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A childless marriage is considered a great misfortune, and sterility is an accepted cause for divorce. Sterility in a woman is sometimes attributed to a ceremony conducted over her in girlhood by envious or scheming adults.[3] But often a disappointed husband wonders whether his wife "has hired a man or woman who knows herbs and a ceremony to make her sterile, so that she won't be bothered by children:"

I have heard old people say that some women can perform a ceremony for another woman, and she will have no children no matter how many men have intercourse with her. Girls of about the age of puberty go through it, and older women who have too many children go through it too. They have a medicine to drink and a ceremony that goes with it that will prevent birth forever. Certain people practice this ceremony. It has to be paid for like any other ceremony.

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[824]

Various methods for the prevention of pregnancy have been described. "Rock crystal is used as a medicine when a woman does not want a child. The rock is ground up fine, and some of the powder is put in a drink. There are prayers and a ceremony connected with this, but I do not know them." A certain variety of small prickly-pear cactus fruit, because it is rare and its fruits are said not to ripen, is magically associated with these practices.

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Food or behavior restrictions imposed as a part of such ceremonies must be carefully observed. "If a woman is avoiding pregnancy by keeping away from some food or drink, such as honey, and breaks this fast, she will become pregnant." It is noteworthy that honey should be specifically mentioned as one of the foods prohibited if a woman wants no children, for beeswax is said to be "used ceremonially to cure sterility in women."

842

Because of the prevailing desire for children and the insecurity of a childless woman, fecundity ceremonies are of much more frequent occurrence. In one of these rites the practitioner cere-

[3] See pp. 80–81.

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string, and the top of the body is perforated by a number of triangular or diamond-shaped sound holes, usually two opposite the peg and four or more at the other end of the instrument. The surface is ordinarily decorated with painted designs of tribal art pattern (stars, sun symbols, serrated lines, etc.), but, in addition, a scroll-like figure and floral motifs appear. Of the method of manufacture, this account is given:

I use any dead tree from which to make it. A good tree to use is the walnut. An older piece of wood makes a better tone. One end is usually a little wider than the other. The limb chosen should be a little longer than you want the fiddle to be. After cutting the limb off, I split it down the middle. Then I scrape out the inside of each piece with a knife. It is quite a job to scrape out these inside holes. Then I cut little holes [the sound holes] along the margin where the two pieces are going to meet on top. Now I scrape the outside and put on the decorations. There is no particular meaning to the designs I put on. Then I tie it together with deer sinew.

For the bow I use sumac wood. I warm the wood and bend it into place. I use horsehair from the tail for the bow. I used to make many of these for the soldiers. You play this as though you are using words and sing social dance songs as you play it. I used to go around here playing it and singing. I used to play songs in the store for the men on winter days not long ago when my voice was better.

Women are likely to be as engrossed in the stave game as men are in hoop-and-pole. Men occasionally join women to play it, but it is understood to be a woman's pastime.

This is really a woman's game as I understand it. I say this because it's a light game, a pastime for women. Women can't get out there and play with arrows like men. A few do, but not many. So the women play this while the men do other things.

Any man who plays this all the time is laughed at. But men play it once in a while, all right. I have seen men and women mix up and play it, play partners. Some fall in love this way. Mostly a bunch of women were playing it alone.

Not everybody can make the outfit. A person has to know how. There is power connected with it. A certain woman or man has to make the sticks and place the stones. Those who make them give these sticks to other people. The one who gives you the sticks tells you what to do so you'll have luck with this game. Some have songs they sing before a big betting game. When two sides are playing against each other, there is great excitement. Everyone wants to be the one to throw the sticks for his side. Valuable property (like mescal and horses) is bet. I never saw this played during the night, though I never heard that it couldn't be played then.

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524 the bone is hidden in one of these, they are all filled at the top with grass." Often cylindrical sacks made of hide (later of cloth) serve as moccasins.

[237] The rounded section of bone from the hip or knee of an animal is hidden. It is often blackened by being thrown into the fire before the start of the game. The other things required are a robe or blanket to be held up by those hiding the bone, a stick with which the person delegated to find the bone strikes the moccasin in which he thinks it has been placed, and counters which each side [532] is trying to obtain. The stick is about two feet long and often is incised with carvings representative of birds which took part in the legendary game, such as the road runner and the turkey. [824] The counters are strips of yucca leaf, six to eight inches long. Usually there are sixty-eight of them, worth a point total of one hundred and four. Sixty-four of the counters are plain and count one each; four of them are fringed at the end and are each valued at ten.

To determine which side shall hide the bone first, a bone or a stone which has been moistened on one side is thrown between two of the opposing players, and one calls "Wet" or "Dry." The side which wins this trial now orders the blanket raised, and one of its members hides the bone, while the others sing.

[533] [793] When they play the game, they sing the songs which the birds and animals who played it first sang about themselves. And the moccasins and the bone, too —each has a song about itself. These are the first ones sung. These songs are sung during the playing. The side hiding the bone sings while the hiding is going on and while the one who guesses for the other side is trying to make up his mind about which moccasin to strike. They sing loudly and try to confuse him in every way, but no drum is used. If a side is lucky with a song and the others are guessing wrong, they keep on singing that same one until the bone is taken away from them.

[535] During the singing, members of the group dance in place.

When the bone is concealed, the hider calls, "Ready," and the robe is removed. A representative of the opposition comes forward to strike with his stick. If he hits the correct moccasin, he wins the bone for his side without any gain in counters for the other side. If, however, he strikes a moccasin to either side of the one in which the bone actually lies, four counters are taken from

2: Castetter and Opler N, E-5 (1931-1934)1936
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CHIRICAHUA
MESCALERO

MATERIAL CULTURE

It will be understood that a people who lived by hunting and gathering, whose contacts with nature were so close and exacting, and whose food quest demanded much movement, could not develop a very elaborate material culture. The characteristic dwelling of these Apache tribes was a dome-shaped structure covered with grass thatching, hides, or bark. Household utensils included a pitch-covered woven water jar, coiled basket trays, and large burden baskets of twine work. There were dippers and spoons of split gourds, and ladles of split mountain-sheep horn. Metates and manos were found in the surrounding country and brought to camp, or crude ones were fashioned by the Apache themselves. For household purposes the Apache made rock pounders and stone axes hafted to wooden handles. Occasionally an Apache woman made a few clay pots, but because of the breakage of this ware that attended the roving life, it was found to be an unprofitable procedure. On the march these people carried water containers made from the stomachs or intestines of animals.

There was a distaff-type twisting tool which wound together buffalo or horse hair into rope. Ropes of twisted rawhide were also widely used. Long strips of yucca and mescal leaves were used for binding material. Sinew from the loin and leg of the larger game animals was shredded for thread. Women had a special rawhide rope for wood-carrying and some had a special conveyor of wood and rawhide for this purpose.

The lower leg bone of the deer was ground down to make a drill. Later the iron-tipped arrow was used as a boring tool.

In connection with the horse complex, the men made their own whips, saddles, stirrups, cinches, bridles, saddle bags, and even made rawhide bags which were tied over the hoofs to prevent or cure lameness of horses.

For purposes of grooming, combs of mountain mahogany *(Cercocarpus montanus)* and brushes of folded and pounded mescal or sotol leaves were made.

4:Opler E-5 (1931-1937) 1947
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"Live around here. I will be around here with your daughter. One day when you go to war I will be by your side, but you won't see me. If you see a crow fly, it will be I. If you see a coyote, it will be I. If you want to go to war or on a raid, come here first and even if I am not here, talk, and I will be here. Tell me where you are going and ask my advice. Go home. The next day I will draw a picture of what you will get. I will draw deer tracks, horse tracks, and show where you are going to get them. If you see cattle or horse tracks, it means you will get plenty."

(See also *An Apache Life-Way*, p. 214.)

Immunity from some of the ordinary perils is another of the benefits which usually accompanies shamanism.

Some men use hawk feathers for arrows, but some are afraid. You have to know power to do it. Only a hawk shaman would do it. It's the same with the buzzard. Not everybody could use the feathers. Formerly the Chiricahua could get very sick from the bussard.

(See also *An Apache Life-Way*, p. 214.)

The principal function and attribute of the possessor of a power grant, however, is to cure sickness, and the Chiricahua who is able to practice an effective curing ceremony earns respect and even riches.

When I was a boy, a good shaman was highly respected. These are the ones who are known to have kind hearts and that nobody calls witches. A good shaman is wealthy, for he's out curing and everybody gives him something for his cures.

If sickness strikes and special knowledge and ceremony are required, a shaman is hired. It is accepted that he or one of his fellow ceremonialists will, through the cooperation of supernatural power, learn the cause of the difficulty and the proper course of action. The service of supernatural power may range from producing a simple herbal remedy to revealing the identity of a sorcerer.

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he comes. These articles have to be given to the shaman if the cure is to be a success. They are given before the ceremony really gets started. Pollen, turquoise, abalone, feathers, white shells, and a black-handled knife are among the objects which may be needed.

(See also *An Apache Life-Way*, p. 259.)

Whether or not he expects all of them as ceremonial payment, the shaman has a variety of ritual paraphernalia and substances on hand to be used in the ceremony: some combination of pollen, eagle feathers, abalone, turquoise, unblemished buckskin, animal parts, baskets, designed clothing, specular iron ore, a carved and designed cane or staff, yellow ochre, various other paints, plants, and medicines. The attitude toward some of these sacred substances and objects and the manner in which they are used are detailed thus by informants:

In my ceremony I use tule pollen at sunrise. The next night I use piñon pollen. The third morning at sunrise I use pollen from pine. The fourth day at noon I use sunflower pollen. All shamans use pollen. It stands for life and health. In a ceremony I saw Geronimo perform, he used pollen to make signs to the directions and then put the pollen in the sick man's mouth. He made crosses of pollen on the man's head, chest, right shoulder, back, and left shoulder.

Abalone has life. It has lots of good. Everything good is in it. Many shamans use it. Many of them say that without it they cannot carry on their ceremonies. When it is real blue inside it is male. This is the most powerful kind. When it is not the good color, when it is greyish, it is female. For my ceremony I polish the outside and use the scrapings for medicine. It is good for any kind of pain anywhere. It is also a protection against witches. I put some in medicine to cure lightning sickness too.[2]

[2] It is interesting to note that while abalone shell contrasts with turquoise, the representative of the male principle in Chiricahua religion, and stands for the female principle, abalone which is bluish inside is called "male" and abalone which is pinkish or whitish is termed "female." Evidently the alternation in both instances is due to a color-sex association, blue for male and a light color (pink, white, grey) for female.

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These staffs figure in ceremonies. The shaman is directed how to make them by his power. They may be decorated with feathers or with something pertaining to the ceremony of the one who makes it, perhaps a snake or lightning. They vary in size.

A shaman can hear from the power through the turquoise and feather. When the shaman prays he uses the feather. If the feather raises itself, he knows the prayer is heard. If the turquoise moves, it is the same.

(See also *An Apache Life-Way*, pp. 260–61.)

The shaman makes certain that any spectators at the ceremony he conducts are reverent and well-behaved. Not infrequently there are special obligations which remind the on-looker of the solemnity of the occasion. About these insistences, a younger, socially-minded Chiricahua explained:

> It was pretty hard for us younger people to attend. There are always restrictions on everyone who is there. For some ceremonies you can't leave before it is all over for that evening; for some you can't sleep. So we didn't care so much to be at these curing ceremonies. But we always went to the girl's puberty rite, for you could always have a good time there.

(See also *An Apache Life-Way*, p. 259.)

The source of power, speaking through the shaman, usually places some food or behavior restriction on the patient. Failure to observe this is construed as carelessness or levity in respect to the rite and is likely to lead to a relapse. Many of the failures to cure permanently are explained in this way. Some of the most common post-ritual restrictions are summarized in these statements:

> The shaman has his reasons. He doesn't always tell the patients why, but he tells them to keep the paint (which has been applied during the ceremony) on for so many days before taking it off.